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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/030,850

DATE: 01/24/2003

TIME: 12:04:38

Input Set : A:\seqlist.txt

Output Set: N:\CRF4\01242003\J030850.raw

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3 <110> APPLICANT: Avides, Maria dC
4      Deak, Peter
5      Glover, David M
7 <120> TITLE OF INVENTION: Orbit and homologues thereof
9 <130> FILE REFERENCE: CCI-018US
11 <140> CURRENT APPLICATION NUMBER: 10/030850
12 <141> CURRENT FILING DATE: 2002-01-11
14 <150> PRIOR APPLICATION NUMBER: PCT/GB00/02662
15 <151> PRIOR FILING DATE: 2000-07-11
17 <150> PRIOR APPLICATION NUMBER: GB 9916402.2
18 <151> PRIOR FILING DATE: 1999-07-13
20 <150> PRIOR APPLICATION NUMBER: GB 9930707.6
21 <151> PRIOR FILING DATE: 1999-12-24
23 <160> NUMBER OF SEQ ID NOS: 29
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28 <211> LENGTH: 5145
29 <212> TYPE: DNA
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121 <210> SEQ ID NO: 2

122 <211> LENGTH: 1492

123 <212> TYPE: PRT

124 <213> ORGANISM: Drosophila melanogaster

126 <400> SEQUENCE: 2

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133 Thr Phe Leu Ser Asp Asp Thr Asn Ser Ile Val Cys Thr Asp Met Gly
134           35           40           45
136 Phe Leu Ile Asp Gly Leu Met Pro Trp Leu Thr Gly Ser His Phe Lys
137           50           55           60
139 Ile Ala Gln Lys Ser Leu Glu Ala Phe Ser Glu Leu Ile Lys Arg Leu
140           65           70           75           80
142 Gly Ser Asp Phe Asn Ala Tyr Thr Ala Thr Val Leu Pro His Val Ile
143           85           90           95
145 Asp Arg Leu Gly Asp Ser Arg Asp Thr Val Arg Glu Lys Ala Gln Leu
146           100          105          110
148 Leu Leu Arg Asp Leu Met Glu His Arg Val Leu Pro Pro Gln Ala Leu
149           115          120          125
151 Ile Asp Lys Leu Ala Thr Ser Cys Phe Lys His Lys Asn Ala Lys Val
152           130          135          140
154 Arg Glu Glu Phe Leu Gln Thr Ile Val Asn Ala Leu His Glu Tyr Gly
155           145          150          155          160
157 Thr Gln Gln Leu Ser Val Arg Val Tyr Ile Pro Pro Val Cys Ala Leu
158           165          170          175
160 Leu Gly Asp Pro Thr Val Asn Val Arg Glu Ala Ala Ile Gln Thr Leu
161           180          185          190
163 Val Glu Ile Tyr Lys His Val Gly Asp Arg Leu Arg Pro Asp Leu Arg
164           195          200          205
166 Arg Met Asp Asp Val Pro Ala Ser Lys Leu Ala Met Leu Glu Gln Lys
167           210          215          220
169 Phe Asp Gln Val Lys Gln Glu Gly Leu Leu Leu Pro Ser Ala Leu Lys
170           225          230          235          240

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175 Leu Arg Glu Arg Pro Thr Arg Met Ile Lys Arg Pro Leu His Ser Ala
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178 Val Ser Ser Ser Leu Arg Pro Lys Pro Asn Val Asn Asp Val Thr Gly
179          275          280          285
181 Asp Ala Gly Ala Val Thr Met Glu Ser Phe Glu Ser Ser Phe Glu Val
182          290          295          300
184 Val Pro Gln Leu Asn Ile Phe His Ala Lys Asp Met Asp Asp Ile Tyr
185 305          310          315          320
187 Lys Gln Val Leu Val Ile Ile Ser Asp Lys Asn Ala Asp Trp Glu Lys
188          325          330          335
190 Arg Val Asp Ala Leu Lys Lys Ile Arg Ala Leu Leu Ile Leu Ser Tyr
191          340          345          350
193 His Thr Gln Pro Gln Phe Val Ala Val Gln Leu Lys Glu Leu Ser Leu
194          355          360          365
196 Ser Phe Val Asp Ile Leu Lys Glu Glu Leu Arg Ser Gln Val Ile Arg
197          370          375          380
199 Glu Ala Cys Ile Thr Ile Ala Tyr Met Ser Lys Thr Leu Arg Asn Lys
200 385          390          395          400
202 Leu Asp Ala Phe Cys Trp Ser Ile Leu Glu His Leu Ile Asn Leu Ile
203          405          410          415
205 Gln Asn Ser Ala Lys Val Ile Ala Ser Ala Ser Thr Ile Ala Leu Lys
206          420          425          430
208 Tyr Ile Ile Lys Tyr Thr His Ala Pro Lys Leu Leu Lys Ile Tyr Thr
209          435          440          445
211 Asp Thr Leu Asn Gln Ser Lys Ser Lys Asp Ile Arg Ser Thr Leu Cys
212          450          455          460
214 Glu Leu Met Val Leu Leu Phe Glu Glu Trp Gln Thr Lys Ala Leu Glu
215 465          470          475          480
217 Arg Asn Ala Thr Val Leu Arg Asp Thr Leu Lys Lys Ser Ile Gly Asp
218          485          490          495
220 Ala Asp Cys Asp Ala Arg Arg His Ser Arg Tyr Ala Tyr Trp Ala Phe
221          500          505          510
223 Arg Arg His Phe Pro Glu Leu Ala Asp Gln Ile Tyr Gly Thr Leu Asp
224          515          520          525
226 Ile Ala Ala Gln Arg Ala Leu Glu Arg Glu Arg Glu Gly Gly Gly Gly
227          530          535          540
229 Gly Gly Thr Gly Thr Gly Thr Gly Thr Ala Pro Glu Thr Arg Arg Thr
230 545          550          555          560
232 Val Ser Arg Ile Gly Arg Thr Pro Gly Thr Leu Gln Lys Pro Thr Pro
233          565          570          575
235 Ser Met Arg Ser Ile Ser Ala Val Asp Thr Ala Ala Ala Gln Arg Ala
236          580          585          590
238 Lys Val Arg Ala Gln Tyr Thr Leu Tyr Ser Arg Gln Arg Lys Pro Leu
239          595          600          605
241 Gly Pro Asn Asn Ser Asn Gln Ala Ser Met Thr Gly Ala Ala Ala Ser
242          610          615          620
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248          645          650          655
250 Val Ser Gln Ser Gln Pro Gly Ser Arg Ser Thr Ser Pro Ser Thr Lys
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253 Leu Arg Asp Gln Tyr Gly Gly Ile Gly Asn Tyr Tyr Arg Gly Ala Thr
254          675          680          685
256 Gly Ala Ile Pro Lys Lys Ala Ser Gly Ile Pro Arg Ser Thr Ala Ser
257          690          695          700
259 Ser Arg Glu Thr Ser Pro Thr Arg Ser Gly Gly Gly Leu Met Lys Arg
260 705          710          715          720
262 Ser Met Tyr Ser Thr Gly Ala Gly Ser Arg Arg Thr Pro Glu Arg Asn
263          725          730          735
265 Asn Pro Val Arg Pro Ser Ala Pro Ala Arg Leu Leu Ala Gln Ser Arg
266          740          745          750
268 Glu Ala Glu His Thr Leu Gly Val Gly Asp Asp Gly Gln Pro Asp Tyr
269          755          760          765
271 Val Ser Gly Asp Tyr Met Arg Ser Gly Gly Met Arg Met Gly Arg Lys
272          770          775          780
274 Leu Met Gly Arg Asp Glu Ser Asp Asp Ile Asp Ser Glu Ala Ser Ser
275 785          790          795          800
277 Val Cys Ser Glu Arg Ser Phe Asp Ser Ser Tyr Thr Arg Gly Asn Lys
278          805          810          815
280 Ser Asn Tyr Ser Leu Ser Gly Ser His Thr Arg Leu Asp Trp Ser Thr
281          820          825          830
283 Gln Arg Ala Pro Phe Asp Asp Ile Glu Thr Ile Ile Gln Phe Cys Ala
284          835          840          845
286 Ser Thr His Trp Ser Glu Arg Lys Asp Gly Leu Ile Ser Leu Thr Gln
287          850          855          860
289 Tyr Leu Ala Asp Gly Lys Glu Leu Thr Gln Gln Gln Leu Lys Cys Val
290 865          870          875          880
292 Leu Asp Met Phe Arg Lys Met Phe Met Asp Thr His Thr Lys Val Tyr
293          885          890          895
295 Ser Leu Phe Leu Asp Thr Val Thr Glu Leu Ile Leu Val His Ala Asn
296          900          905          910
298 Glu Thr Ser Arg Asn Gly Ser Ser Ser Cys Leu Thr Arg Leu Phe Asn
299          915          920          925
301 Lys Leu Gly Thr Asp Leu Leu Asn Ser Met His Ser Lys Ile Trp Lys
302          930          935          940
304 Thr Leu Gln Val Val His Glu Tyr Phe Pro Thr Gln Leu Gln Leu Lys
305 945          950          955          960
307 Glu Leu Phe Arg Ile Ile Ser Asp Ser Thr Gln Thr Pro Thr Thr Lys
308          965          970          975
310 Thr Arg Ile Ala Ile Leu Arg Phe Leu Thr Asp Leu Ala Asn Thr Tyr
311          980          985          990
313 Cys Lys Ser Ser Asp Phe Pro Ser Asp Gln Ser Gln Ala Cys Glu Arg
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VERIFICATION SUMMARY

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